



Docket No.: IMMR-0152E (034701-000518)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Danny A. Grant et al.

SERIAL NO.: 10/538,164

CONFIRMATION NO. 3279

FILING DATE: June 8, 2005

TITLE: Haptic Communication Devices

EXAMINER: unassigned

ART UNIT: unassigned

**CERTIFICATE OF MAILING**

I hereby certify that this paper is being deposited with the United States Postal Service as First Class  
Mail in an envelope addressed to: Missing Parts, Commissioner for Patents, Alexandria, VA 22313-1450,  
on the date printed below:

Date: 5/30/06

Name: *Monica Pizarro*  
Monica Pizarro

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**DECLARATION OF LACK OF DECEPTIVE INTENT**

*Shahriani*  
I, Erik J. ~~Shohian~~, am an inventor of the subject matter claimed in US Patent Application

Serial Number 10/538,164 which claims priority from PCT Application Number

PCT/US2003/038961 in which I was not named as an inventor. I hereby confirm that any error

in inventorship in the international application occurred without deceptive intention on my part.

By: *W. P. Pizarro*

Date: 5-19-06



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Monica Pizarro

---

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**DECLARATION OF LACK OF DECEPTIVE INTENT**

I, Dean C. Chang, am an inventor of the subject matter claimed in US Patent Application  
Serial Number 10/538,164 which claims priority from PCT Application Number  
PCT/US2003/038961 in which I was not named as an inventor. I hereby confirm that any error  
in inventorship in the international application occurred without deceptive intention on my part.

By: 

Date: 5/25/06



Docket No.: IMMR-0152E (034701-000518)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Danny A. Grant et al.

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Date: 5/30/06

Name:   
Monica Pizarro

Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CONSENT OF ASSIGNEE**

Dear Sir:

I, Laura Peter, am Vice President and General Counsel of Immersion Corporation and am authorized to execute this Consent of Assignee. Immersion Corporation hereby consents to the addition of inventors Erik J. Shohian and Dean C. Chang to the above-captioned patent application.

By: 

Date: 21 April 2006

**DECLARATION & POWER OF ATTORNEY**

As a below-named inventor, I hereby declare that:

My correct city and state of residence, my post office address and my citizenship are stated below next to my name.

I believe myself to be the original, first and sole inventor (if only one name is listed below) or an original and first joint inventor (if more than one name is listed below) of the subject matter which is disclosed and claimed and for which a patent is sought on the invention entitled:

**"Haptic Communication Devices"**

The specification of this subject matter:

- ☐ is attached hereto.
- ☒ was filed on June 8, 2005 as United States Application Number 10/538,164  
and was amended on \_\_\_\_\_ (if applicable).
- ☒ was filed on December 8, 2003 as PCT International Application Number PCT/US2003/038961  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified patent application, including the claims, as amended by any amendment(s) referred to above. I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with 37 C.F.R. §1.56(a).

I hereby claim foreign priority benefits under 35 U.S.C. §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

**PRIOR FOREIGN APPLICATION(S)**

**Priority Claimed**

**Certified Copy  
Attached?**

Number	Country	Month/Day/Year Filed	Yes	No	Yes	No
<hr/>						

**PROVISIONAL PATENT APPLICATION(S)**

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

60/431,662	December 8, 2002
Application Number	Filing Date

**PARENT PATENT APPLICATION(S)**

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in these prior United States application(s) in the manner provided by 35 U.S.C. §112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

Application No.	Filing Date	Status (Issued, Pending, Abandoned)
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Application No.	Filing Date	Status (Issued, Pending, Abandoned)
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Application No.	Filing Date	Status (Issued, Pending, Abandoned)
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Application No.	Filing Date	Status (Issued, Pending, Abandoned)
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I hereby appoint practitioners associated with **Customer Number: 60,140** as attorneys of record with full power of substitution and revocation, to prosecute this application and transact all business in the United States Patent and Trademark Office connected therewith. If this application is assigned by me I agree and understand that the above-named attorneys will represent the assignee and not me.

Please send all correspondence and direct all telephone calls to the address associated with **Customer Number 60,140**.

I, the undersigned, declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

<b>FULL NAME OF FIRST Name</b>	<b>MIDDLE Initial(s)</b>	<b>LAST Name</b>
<b>INVENTOR 1</b>		
Danny	A.	Grant
<b>RESIDENCE AND</b>	<b>State or Foreign Country</b>	<b>Country of Citizenship</b>
<b>CITIZENSHIP</b>		

	Montreal	Quebec, Canada	Canada
<b>POST OFFICE</b>	<b>Number and Street</b>	<b>City</b>	<b>State or Country</b>
<b>ADDRESS</b>			<b>Zip Code</b>
	5961 de la Roche, #4	Montreal	Quebec, Canada H2S 2C8

<b>FULL NAME OF FIRST Name</b>	<b>MIDDLE Initial(s)</b>	<b>LAST Name</b>
<b>INVENTOR 2</b>		
Jeffrey		Eid
<b>RESIDENCE AND</b>	<b>State or Foreign Country</b>	<b>Country of Citizenship</b>
<b>CITIZENSHIP</b>		

	Danville	California	USA
<b>POST OFFICE</b>	<b>Number and Street</b>	<b>City</b>	<b>State or Country</b>
<b>ADDRESS</b>			<b>Zip Code</b>
	105 Shadwell Drive	Danville	California 94506

<b>FULL NAME OF FIRST Name</b>	<b>MIDDLE Initial(s)</b>	<b>LAST Name</b>
<b>INVENTOR 3</b>		
Shoichi		Endo
<b>RESIDENCE AND</b>	<b>State or Foreign Country</b>	<b>Country of Citizenship</b>
<b>CITIZENSHIP</b>		

	Cupertino	California	Japan
<b>POST OFFICE</b>	<b>Number and Street</b>	<b>City</b>	<b>State or Country</b>
<b>ADDRESS</b>			<b>Zip Code</b>
	20268 Northwest Square	Cupertino	California 95014

<b>FULL NAME OF FIRST Name</b>	<b>MIDDLE Initial(s)</b>	<b>LAST Name</b>
<b>INVENTOR 4</b>		
Erik	J.	<del>Shohian</del> <i>Shahhoian</i>
<b>RESIDENCE AND</b>	<b>State or Foreign Country</b>	<b>Country of Citizenship</b>
<b>CITIZENSHIP</b>		

	San Ramon	California	USA
<b>POST OFFICE</b>	<b>Number and Street</b>	<b>City</b>	<b>State or Country</b>
<b>ADDRESS</b>			<b>Zip Code</b>
	3208 El Suyo Drive	San Ramon	California 94583

<b>FULL NAME OF FIRST Name</b>	<b>MIDDLE Initial(s)</b>	<b>LAST Name</b>
<b>INVENTOR 5</b>		
Dean	C.	Chang
<b>RESIDENCE AND</b>	<b>State or Foreign Country</b>	<b>Country of Citizenship</b>
<b>CITIZENSHIP</b>		

	Gaithersburg	Maryland	USA
<b>POST OFFICE</b>	<b>Number and Street</b>	<b>City</b>	<b>State or Country</b>
<b>ADDRESS</b>			<b>Zip Code</b>
	330 Alderwood Drive	Gaithersburg	Maryland 20878

I further declare that all statements made herein of my own knowledge are true and that all statements made upon information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Danny A. Grant 06/04/25  
FIRST INVENTOR Date  
Danny A. Grant

\_\_\_\_\_  
SECOND INVENTOR Date  
Jeffrey Eid

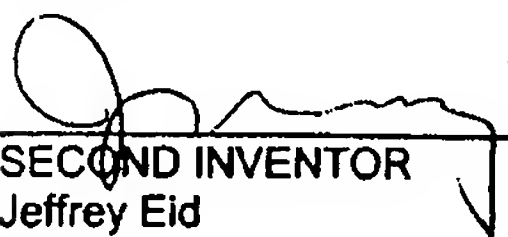
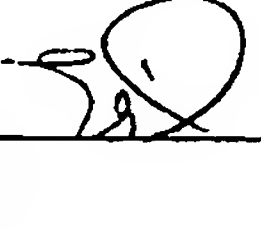
\_\_\_\_\_  
THIRD INVENTOR Date  
Shoichi Endo

\_\_\_\_\_  
FOURTH INVENTOR Date  
Erik J. Shohian

\_\_\_\_\_  
FIFTH INVENTOR Date  
Dean C. Chang

I further declare that all statements made herein of my own knowledge are true and that all statements made upon information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FIRST INVENTOR \_\_\_\_\_ Date \_\_\_\_\_  
Danny A. Grant

  4/25/06  
SECOND INVENTOR \_\_\_\_\_ Date \_\_\_\_\_  
Jeffrey Eid

THIRD INVENTOR \_\_\_\_\_ Date \_\_\_\_\_  
Shoichi Endo

FOURTH INVENTOR \_\_\_\_\_ Date \_\_\_\_\_  
Erik J. Shohian

FIFTH INVENTOR \_\_\_\_\_ Date \_\_\_\_\_  
Dean C. Chang



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FIRST INVENTOR  
Danny A. Grant


Date

SECOND INVENTOR  
Jeffrey Eid

Date

THIRD INVENTOR  
Shoichi Endo

Date

  
4/25/2006

FOURTH INVENTOR  
Erik J. Shohian

Date

FIFTH INVENTOR  
Dean C. Chang

Date

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FIRST INVENTOR  
Danny A. Grant

Date

SECOND INVENTOR  
Jeffrey Eid

Date

THIRD INVENTOR  
Shoichi Endo

Date

FOURTH INVENTOR  
Erik J. ~~Shohian~~ *Shahorian*

Date

*5-19-06*

FIFTH INVENTOR  
Dean C. Chang

Date

I further declare that all statements made herein of my own knowledge are true and that all statements made upon information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

FIRST INVENTOR  
Danny A. Grant

Date

SECOND INVENTOR  
Jeffrey Eid

Date

THIRD INVENTOR  
Shoichi Endo

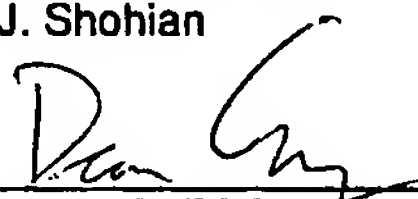
Date

FOURTH INVENTOR  
Erik J. Shohian

Date

FIFTH INVENTOR  
Dean C. Chang

Date



5/25/06



E

PTO/SB/96 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Immersion CorporationApplication No./Patent No.: 10/538,164Filed/Issue Date: June 8, 2005Entitled: Haptic Communication DevicesImmersion Corporation, a Corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

Laura A. Peter

Printed or Typed Name

Vice President and General  
Counsel

Title

Date

408.467.1900

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## ASSIGNMENT

WHEREAS, we, Danny A. Grant, a citizen of Canada, residing at 5961 Rue de la Roche #4, Montreal, Quebec H2S 2C8, Canada, Jeffrey Eid, a citizen of the United States of America, residing at 105 Shadwell Drive, Danville, CA 94506, Shoichi Endo, a citizen of Japan, residing at 20268 Northwest Square, Cupertino, CA 95014, Erik J. ~~Shohian~~<sup>Shaholian</sup>, a citizen of the United States of America, residing at 3208 El Suyo Drive, San Ramon, CA 94583 and Dean C. Chang, a citizen of the United States of America, residing at 330 Alderwood Drive, Gaithersburg, MD 20878, have invented an “**Haptic Communication Devices**” for which we have executed application papers for a U.S. patent thereon, which was filed on June 8, 2005, serial no. 10/538,164; and

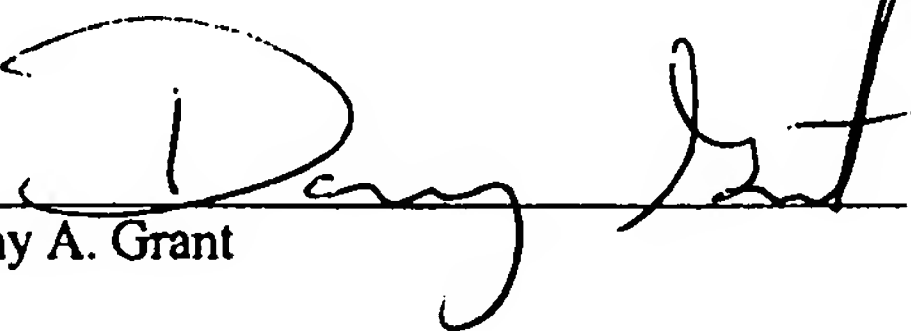
WHEREAS, Immersion Corporation, a Delaware corporation, having a place of business located at 801 Fox Lane, San Jose, CA 95131, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and all countries foreign thereto;

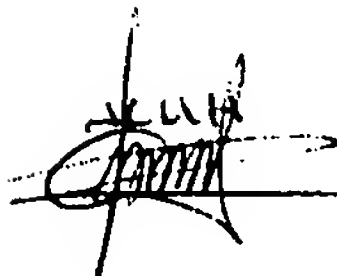
NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Danny A. Grant, Jeffrey Eid, Shoichi Endo, Erik J. Shohian and Dean C. Chang, do sell, assign, transfer and set over unto the said Immersion Corporation, its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all Letters Patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Immersion Corporation, its successors and assigns, in accordance with this Assignment.

[ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: **Haptic Communication Devices**  
Inventor: Danny A. Grant

WITNESS MY HAND at Montreal, P.Q., this  
(city, state)  
25 day of April, 2006.  
(date) (month) (year)

  
Danny A. Grant

  
Manuel Cruz  
11/10/06

April / 25 / 2006  
April 25 / 06

[ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: **Haptic Communication Devices**  
Inventor: Jeffrey Eid

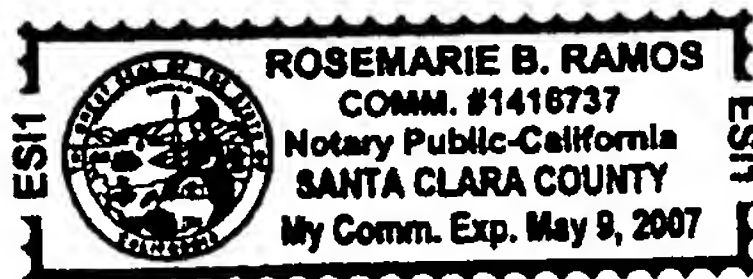
WITNESS MY HAND at SAN JOSE, CA, this  
(city, state)  
25<sup>th</sup> day of APRIL, 2006.  
(date) (month) (year)

Jeffrey Eid  
Jeffrey Eid

STATE OF CALIFORNIA )  
COUNTY OF Santa Clara ) ss.

On this 25 day of April, 2006, before me,  
Rosemarie B. Ramos, a Notary Public, personally appeared Jeffrey Eid, personally known to  
me (or proved to me on the basis of satisfactory evidence) to be the person/s whose name is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacities, and that by his/her/their signature/s on the instrument the person/s or  
the entity upon behalf of which the person/s acted, executed the instrument.

WITNESS my hand and official seal.




Rosemarie B. Ramos  
NOTARY PUBLIC

[ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: **Haptic Communication Devices**

Inventor: Shoichi Endo

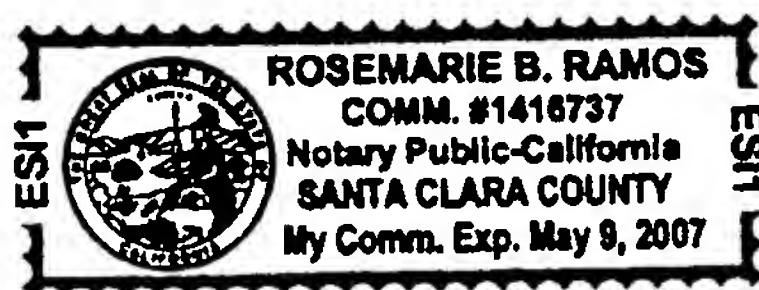
WITNESS MY HAND at San Jose, CA, this  
(city, state)  
25 day of April, 2006.  
(date) (month) (year)

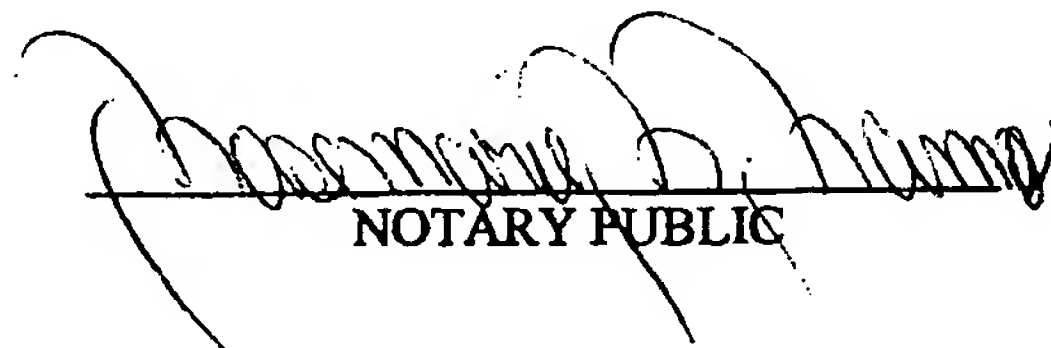
  
Shoichi Endo

STATE OF CALIFORNIA )  
COUNTY OF Santa Clara ) ss.

On this 25 day of April, 2006, before me,  
ROSEMARIE B. RAMOS, a Notary Public, personally appeared Shoichi Endo, personally known  
to me (or proved to me on the basis of satisfactory evidence) to be the person/s whose name is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacities, and that by his/her/their signature/s on the instrument the person/s or  
the entity upon behalf of which the person/s acted, executed the instrument.

WITNESS my hand and official seal.



  
NOTARY PUBLIC




[ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: **Haptic Communication Devices**

Inventor: Erik J. ~~Shohian~~ *Shahorian*

WITNESS MY HAND at San Ramon, California, this  
(city, state)  
19 day of May, 2006.  
(date) (month) (year)

  
\_\_\_\_\_  
Erik J. ~~Shohian~~  
*Shahorian*

STATE OF CALIFORNIA )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, before me,  
\_\_\_\_\_, a Notary Public, personally appeared Erik J. Shohian, personally known  
to me (or proved to me on the basis of satisfactory evidence) to be the person/s whose name is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacities, and that by his/her/their signature/s on the instrument the person/s or  
the entity upon behalf of which the person/s acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
NOTARY PUBLIC

[ASSIGNMENT CONTINUATION]

Re: U.S. Patent Application entitled: **Haptic Communication Devices**  
Inventor: Dean C. Chang

WITNESS MY HAND at Rockville MD, this  
(city, state)  
25 day of May, 2006.  
(date) (month) (year)

Dean C. Chang  
Dean C. Chang

STATE OF MARYLAND )  
COUNTY OF \_\_\_\_\_ ) ss.

On this \_\_\_\_\_ day of \_\_\_\_\_, before me,  
\_\_\_\_\_, a Notary Public, personally appeared Dean C. Chang, personally known  
to me (or proved to me on the basis of satisfactory evidence) to be the person/s whose name is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in  
his/her/their authorized capacities, and that by his/her/their signature/s on the instrument the person/s or  
the entity upon behalf of which the person/s acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
NOTARY PUBLIC